

Trellised Radar Plot:
A multidimensional Table 1 ‘at-a-glance’

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Built-in dataset 'mtcars'
10 Variables 32 Observations

mpg : Miles per gallon | | | | | | | | | | | | | |
n missing unique Mean .05 .10 .25 .50 .75 .90 .95
32 0 25 20.09 12.00 14.34 15.43 19.20 22.80 30.09 31.30

lowest : 10.4 13.3 14.3 14.7 15.0, highest: 26.0 27.3 30.4 32.4 33.9

cyl : Number of cylinders
n missing unique
32 0 3

4-cyl (11, 34%), 6-cyl (7, 22%), 8-cyl (14, 44%)

disp : Displacement [in³] | | | | | | | | | | | | | |
n missing unique Mean .05 .10 .25 .50 .75 .90 .95
32 0 27 230.7 77.35 80.61 120.83 196.30 326.00 396.00 449.00

lowest : 71.1 75.7 78.7 79.0 95.1
highest: 360.0 400.0 440.0 460.0 472.0

hp : Gross horsepower | | | | | | | | | | | | | |
n missing unique Mean .05 .10 .25 .50 .75 .90 .95
32 0 22 146.7 63.65 66.00 96.50 123.00 180.00 243.50 253.55

lowest : 52 62 65 66 91, highest: 215 230 245 264 335

drat : Rear axle ratio | | | | | | | | | | | | | |
n missing unique Mean .05 .10 .25 .50 .75 .90 .95
32 0 22 3.597 2.853 3.007 3.080 3.695 3.920 4.209 4.314

lowest : 2.76 2.93 3.00 3.07 3.08, highest: 4.08 4.11 4.22 4.43 4.93

wt : Weight [lb/1000] | | | | | | | | | | | | | |
n missing unique Mean .05 .10 .25 .50 .75 .90 .95
32 0 29 3.217 1.736 1.956 2.581 3.325 3.610 4.048 5.293

lowest : 1.513 1.615 1.835 1.935 2.140
highest: 3.845 4.070 5.250 5.345 5.424

qsec : 1/4 mile time [sec] | | | | | | | | | | | | | |
n missing unique Mean .05 .10 .25 .50 .75 .90 .95
32 0 30 17.85 15.05 15.53 16.89 17.71 18.90 19.99 20.10

lowest : 14.50 14.60 15.41 15.50 15.84
highest: 19.90 20.00 20.01 20.22 22.90

am : Transmission type
n missing unique
32 0 2

automatic (19, 59%), manual (13, 41%)

gear : Number of forward gears
n missing unique
32 0 3

3-speed (15, 47%), 4-speed (12, 38%), 5-speed (5, 16%)

carb : Number of carburetors
n missing unique Mean
32 0 6 2.812

Frequency 1 2 3 4 6 8
 7 10 3 10 1 1
% 22 31 9 31 3 3

Table 1: Descriptive Statistics by Number of cylinders

	4-cyl <i>N</i> = 11			6-cyl <i>N</i> = 7			8-cyl <i>N</i> = 14		
Miles per gallon	22.8	26.0	30.4	18.6	19.7	21.0	14.4	15.2	16.2
Displacement _{in³}	78.8	108.0	120.7	160.0	167.6	196.3	301.8	350.5	390.0
Gross horsepower	65.5	91.0	96.0	110.0	110.0	123.0	176.2	192.5	241.2
Rear axle ratio	3.81	4.08	4.17	3.35	3.90	3.91	3.07	3.12	3.22
Weight _{lb/1000}	1.89	2.20	2.62	2.82	3.21	3.44	3.53	3.75	4.01

a b c represent the lower quartile *a*, the median *b*, and the upper quartile *c* for continuous variables.

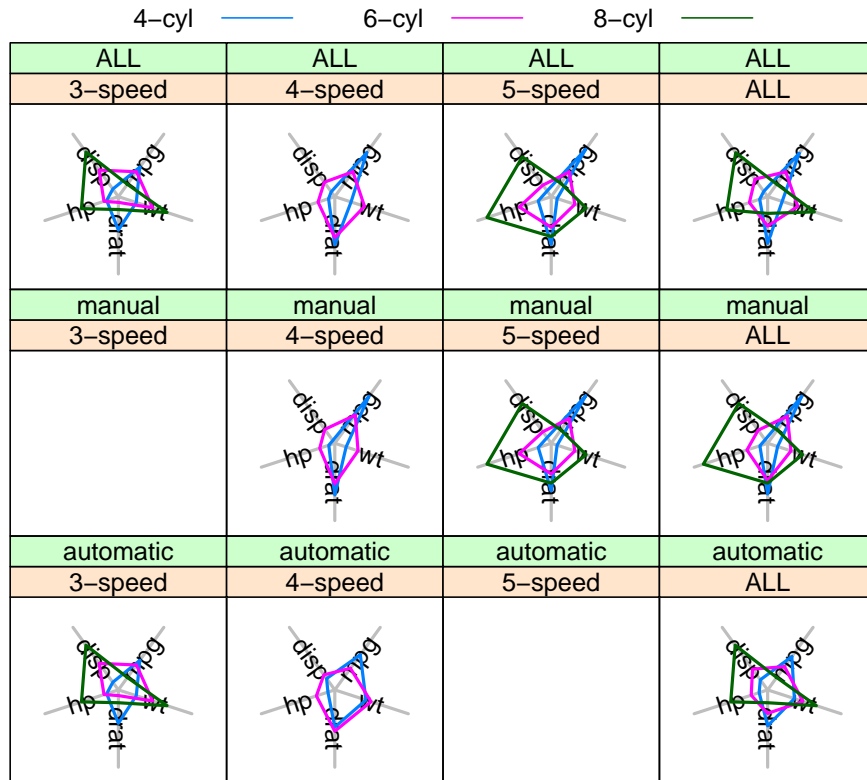


Figure 1: **Trellised radar plot.** The top, right-hand corner can be seen to correspond to the ‘standard Table 1’ shown in Table 1 above. The trellis can be seen therefore to produce an augmented or disaggregated Table 1 having several additional dimensions (transmission type and number of gears).